Question Paper
ANMC Question Paper 2015 - Class 7

Exam ID : TEST/2024/04/07202104 Report Generation Date : 4/8/2024 10:48:18 AM

Q1: 66.66% of 78 students are good in Math. How many students are not good in it?

A: 33

B: 26

C: 30

D: 22

Answer: B

Q2: What is 50% of 40% of 300?

A: 60

B: 20

C: 30

D: 40

Answer: A

Q3: Evaluate the following: (2/3) + (3/4 ÷ 6/7 ÷ 21/8)

A: 59/48

B: 1

C: 12/49

D: 5/3

Answer: B

Q4: Find the value of: {(2/3 + 1/6) + [5/9 ÷ 10/27] - (3/2 + 7)}

A: -47/6

B: 1

C: -37/6

D: 47/6

Answer: C

Q5: Find: 6/5 + 17/9 × 18/51

A: 1 14/15

B: 1 13/15

C: 2 13/15

D: 2 14/15

Answer: B

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Q6: Which of the following rational numbers lies between 8/5 and 13/10?

A: 7/5

B: 6/5

C: 17/10

D: 11/10

Answer: A

Q7: Find the additive inverse of: [9/4 × 1/3 + 7]

A: 4/31

B: 31/4

C: -31/4

D: -4/31

Answer: C

Q8: If a3 - b3 = 35 and a - b = 5, then the value of (a2 + b2 + ab) is:

A: 7

B: 40

C: 30

D: 12

Answer: A

Q9: If x + 1/x = 3 then the value of x3 - 1/x3 is:

A: sqrt(5)

B: 8 sqrt(5)

C: 27

D: 30

Answer: B

Q10: If 2a – 6b = -3, then the value of (8a3 - 216b3 + 108ab) is:

A: 27

B: 18

C: -27

D: -18

Answer: C

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Q11: If (a - b) = -7, (b - c) = 6 and (c - a) = 1 then the value of (a3 + b3 + c3 - 3abc)/(a+b+c) is:

A: 40

B: 45

C: 46

D: 43

Answer: D

Q12: In a class 3/4th of the students do not know either English or Hindi. But 1/6th of the students know English. How much students know both English and Hindi if students who know Hindi are 1/9th of total students in the class?

A: 1/36

B: 1/18

C: 1/12

D: 1/30

Answer: A

Q13: Since Ram was not paying attention in class, instead of multiplying M by 3/7, he divided M by 3/7. Ram's value was 2 2/14 more than expected value of M. What is M?

A: 9/8

B: 8/9

C: 10/9

D: 9/10

Answer: A

Q14: 4/5 of 2/3 of 5/6 of 5/8 of 1008 is:

A: 240

B: 260

C: 320

D: 280

Answer: D

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Q15: When the price of a product was decreased by 35%, the number sold increased by 60%, what was the increase on the total revenue?

A: 5%

B: 6%

C: 2%

D: 4%

Answer: D

Q16: The cost of a vehicle after depreciation at the rate of 18% per annum in 2 years is Rs. 80688. The initial cost of vehicle is:

A: Rs. 121000

B: Rs. 120000

C: Rs. 126000

D: Rs. 125000

Answer: B

Q17: A tank can hold 200 liters of water. At present, it is only 30% full. How many liters of water shall I add in the tank, so that it is 70 % full?

A: 70 liters

B: 80 liters

C: 90 liters

D: 60 liters

Answer: B

Q18: Ramesh earns Rs. 18000 per month. He spends 1/4 of his income on food; 3/10 of the remainder on house rent and 5/21 of the remainder on the education of children. How much money is still left with him?

A: Rs. 6800

B: Rs. 7200

C: Rs. 9000

D: Rs. 8200

Answer: B

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Q19: Express 1.242424..... in the form p/q, where p and q are integers and q is not equal to zero.

A: 31/25

B: 5/4

C: 41/33

D: 37/30

Answer: C

Q20: Simplify and find the value of: (64)(1/3)/(64)(1/6)

A: 4

B: 8

C: 1

D: 2

Answer: D

Q21: If x = 2 - 31/2 then the value of x2 + 1/x2 is:

A: 11

B: 14

C: 12

D: 13

Answer: B

Q22: Rationalize the denominator: 13/[(34)1/2 + (21)1/2]

A: (34)1/2 + (21)1/2

B: (34)1/2 - (21)1/2

C: -(34)1/2 - (21)1/2

D: -(34)1/2 + (21)1/2

Answer: B

Q23: If x1/2 + 1/x1/2 = 2 then find the value of 6x2 + 1/6x2

A: 37/6

B: 6

C: 35/6

D: 31/6

Answer: A

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Q24: If a2 – b2 + c2 = 0, then the value of 2(a6 + c6 – b6)/3(a2 + c2):

A: a2c2

B: -2a2c2

C: 2a2b2

D: -b2c2

Answer: B

Q25: If [16(2)1/2 x3 + 81(3)1/2 y3] ÷ [2(2)1/2 x + 3(3)1/2 y] = (Ax2 + By2 + Cxy) then find the value of 5A - 3B - C(6)1/2

A: 8

B: -5

C: -2

D: 6

Answer: B

Q26: Find the value of: 1/(3 2/5) + 1/(4 5/9) + 1/(3/7)

A: 5957/2091

B: 5951/2091

C: 5955/2091

D: 5953/2091

Answer: D

Q27: 9/5 of 7/4 of 5/6 of 4/9 of 252 is:

A: 248

B: 260

C: 294

D: 280

Answer: C

Q28: Solve: 23 1/3 × 12 3/5

A: 292

B: 276

C: 286

D: 294

Answer: D

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Q29: In a fraction the numerator is 5 less than the denominator. If six is added to the denominator the denominator of the resultant fraction is double the numerator. Find the fraction.

A: 13/18

B: 8/13

C: 12/17

D: 11/16

Answer: D

Q30: Solve: 18 1/3 × 20 2/5 × 3 3/22

A: 1172

B: 1173

C: 1175

D: 1177

Answer: B